## WHAT IS CLAIMED IS:

l	1. A suspension having a magnetic head assembly mounted thereon, said
2	magnetic head assembly comprising:
3	a write head for writing information to a recording medium;
1	a read head for reading said information from said recording medium; and
5	a resistive heating element for controlling flying heights of said write head and
5	said read head;
7	wherein in wiring from each terminal of said write head, said read head, and said
3	resistive heating element to said suspension, wires of said resistive heating element are disposed
•	such that they sandwich wires of said read head.
l	2. The suspension of claim 1 wherein a waveform of a current or a voltage to said
2	resistive heating element has a time constant of 1 µsec or more.
l	3. A suspension having a magnetic head assembly mounted thereon, said
2	magnetic head assembly comprising:
3	a write head for writing information to a recording medium;
1	a read head for reading said information from said recording medium; and
5	a resistive heating element for controlling flying heights of said write head and
5	said read head;
7	wherein in wiring from each terminal of said write head, said read head, and said
3	resistive heating element to said suspension, wires of said resistive heating element are disposed
9	between wires of said write head and wires of said read head.
l	4. The suspension of claim 3 wherein a waveform of a current or a voltage to said
2	resistive heating element has a time constant of 1 µsec or more.
l	5. A suspension having a magnetic head assembly mounted thereon, said
2	magnetic head assembly comprising:
3	a write head for writing information to a recording medium;
1	a read head for reading said information from said recording medium;

5	a resistive heating element for controlling flying heights of said write head and
6	said read head; and
7	a programmable voltage or current source for supplying power to said resistive
8	heating element to allow for variations in the power supplied to said resistive heating element to
9	account for variations in the flying height due to variations in the manufacturing process of said
10	write head and said read head.
1	6. The suspension of claim 5 wherein a waveform of a current or a voltage to said
2	resistive heating element has a time constant of 1 µsec or more.
1	7. A suspension having a magnetic head assembly mounted thereon, said
2	magnetic head assembly comprising:
3	a write head for writing information to a recording medium;
4	a read head for reading said information from said recording medium;
5	a resistive heating element for controlling flying heights of said write head and
6	said read head; and
7	a voltage or current source for supplying power to said resistive heating element;
8	wherein in wiring from each terminal of said write head, said read head, and said
9	resistive heating element to said suspension, wires of said resistive heating element are disposed
10	to provide shielding of said read head.
1	8. The suspension of claim 7 wherein said voltage or current source is configured
2	not to switch during a data or servo signal read operation.
1	9. A suspension having a magnetic head assembly mounted thereon, said
2	magnetic head assembly comprising:
3	a write head for writing information to a recording medium;
4	a read head for reading said information from said recording medium;
5	a resistive heating element for controlling flying heights of said write head and
6	said read head; and
7	a current or voltage source for supplying power to said resistive heating element,

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said current or voltage source providing a waveform having a time constant of 1  $\mu$ sec or more.

- 1 10. The suspension of claim 9 wherein in wiring from each terminal of said write
- 2 head, said read head, and said resistive heating element to said suspension, wires of said resistive
- 3 heating element are disposed to provide shielding of said read head.